

ELOK Operator attendance safety control (OASC) Dead man safety monitor for tankfarm loading operation ESPO-1C



*Ex db ib [ib] IIB T4 Gb
Ex ib [ib] tb IIIC T130°C Db*

To ensure Health and safety standards (QHSE) for protecting personnel, environment & plant assets require the highest level of system safety integrated to mitigate operation hazards. During loading and unloading of hazardous liquids & gases, its essential a qualified operator is present to oversee the process to ensure safe operation. The OASC, together with grounding system can monitor the process of loading and unloading of Trucks, Railcars, Rail tankers, Barrels, Drums, Big bags, IBC, Skids, LACT units etc.

Product specific features

- Switch status diagnostics
- Extreme temperature range
 - +60 °C to -55 °C
- Extensive voltage supply range
 - 20V DC to 350V DC
 - 20 V AC to 230 V AC / 47 ~ 63 Hz
- Ergonomic durable switch



System	EGT
Certificate	IECEX FTZU 15.0005X
Protection	Ex db ib [ib] IIB T4 Gb
.....	Ex ib [ib] tb IIIC T130°C Db
Ingress Protection	IP65
Operating Temperature	-55°C to +60°C
Voltage range DC	20 V DC ~ 350 V DC
Voltage range AC	20 V AC ~ 230 V AC
Power input	10 VA
Output circuits	2x potential-free switching contacts
Bluetooth version	5.0 LE (Low Energy)
IrDA interface.....	USBIR 1 for IrDA
Weight	10,4 Kg

• **Models**

• **EGT 4**

Flameproof enclosure, ingress protection IP 65, typical target area: petrochemical industry



• **EGT4S**

Flameproof enclosure made of stainless steel, protection IP 65, typical target area: offshore petrochemical



• **EGT P**

Stainless steel housing, ingress protection IP 65, typical target area: food or pharmaceutical industry



Accessories

- Multiple wire possibilities (straight, spiral, ...)
- Self-retracting cable Reel
- Multiple language versions (EN, DE, CZ, PL, RU)

OPC basic function

1. On all relevant safety requirements in place ready for operational transfer
2. Operator take the handle
3. Operator engage the press-button switch
4. Unit energises – green light activated
5. Throughout operational transfer Operator shall reactivate press-button before timing “runout” is triggered – signalled by green and red-light pulsating
6. If click is not engaged, relay is switched off and red light is visible



Sectors of application:

- Petroleum refineries - transport of crude oil, petrol, diesel
- Fuel storage depots - loading of petrol, diesel, kerosene
- Onshore facilities
- Chemical and petrochemical facilities (flammable liquids, alcohol, organic solvents)
- Paint industry
- Pharmaceutical industry (Big bags, dust environment)
- Food industry (ethanol, alcohol, grain, fertilizers handling)

Elok reserve the right to make alterations to the technical specification without notice.